

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
 Data File : BE090417.D
 Acq On : 11 Aug 2015 1:03
 Operator : TP/UM
 Sample : G3205-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080515-D506-F-U-S

Quant Time: Aug 11 03:18:31 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	23980	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	110803	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	65818	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	152819	5.00	ng	0.00
25) Chrysene-d12	21.09	240	178905	5.00	ng	0.00
32) Perylene-d12	23.40	264	165815	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	14206	3.95	ng	0.00
5) Phenol-d6	6.77	99	12866	1.85	ng	0.00
7) Nitrobenzene-d5	8.73	82	30245	3.42	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	16408	8.10	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	69385	3.83	ng	0.00
27) Terphenyl-d14	19.55	244	140658	5.34	ng	-0.01

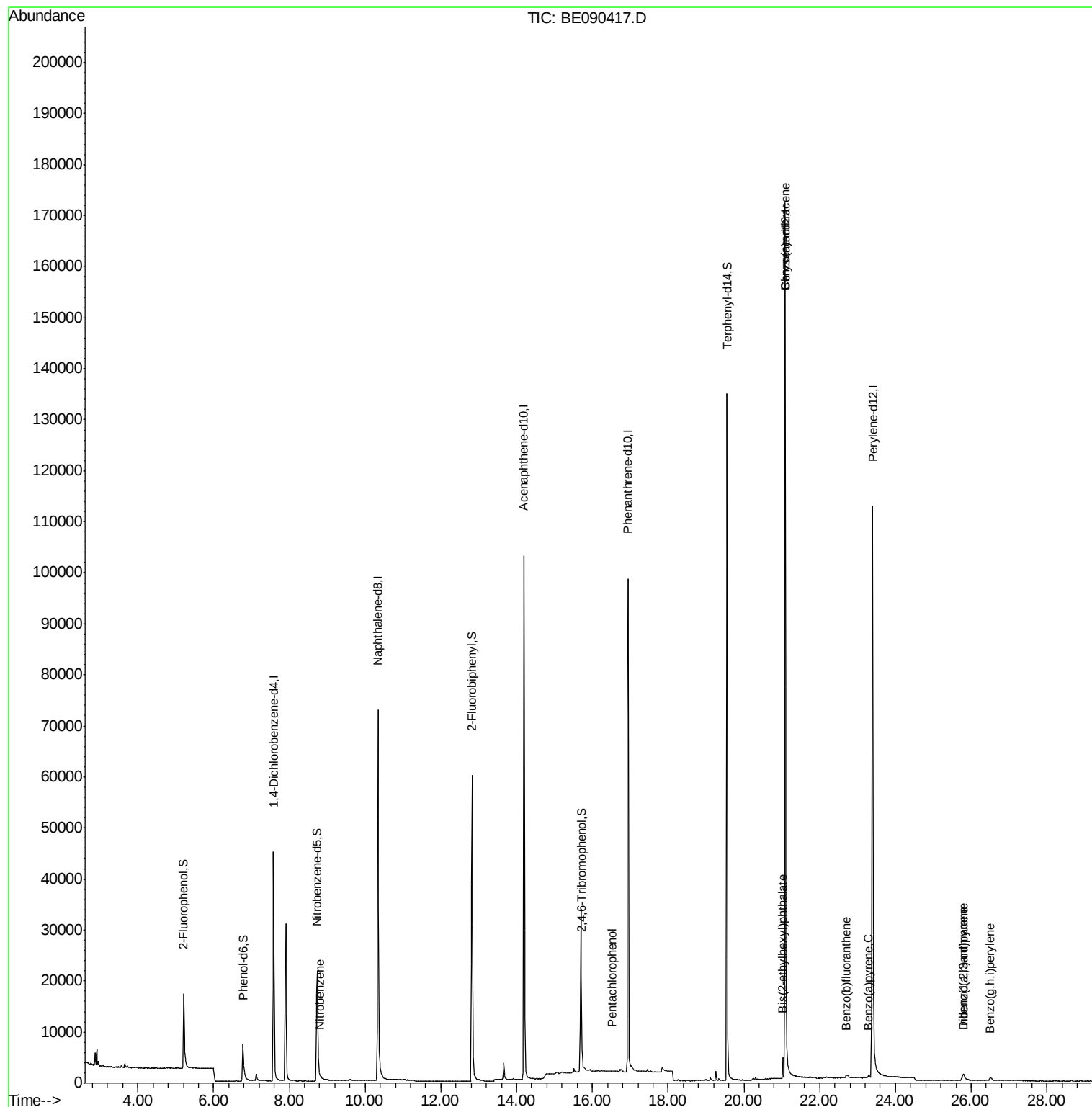
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	14	Below Cal	#	1
8) Nitrobenzene	8.81	77	3	0.21 ng	#	1
10) Hexachlorobutadiene	10.66	225	9	Below Cal	#	26
21) Pentachlorophenol	16.53	266	6	0.09 ng	#	69
28) Benzo(a)anthracene	21.09	228	1002	0.03 ng	#	80
30) Bis(2-ethylhexyl)phthalate	21.03	149	3739	0.50 ng		100
31) Indeno(1,2,3-cd)pyrene	25.78	276	2319	0.30 ng		97
33) Benzo(b)fluoranthene	22.70	252	809	0.21 ng	#	33
35) Benzo(a)pyrene	23.30	252	971	0.25 ng	#	33
36) Dibenzo(a,h)anthracene	25.80	278	1800	0.33 ng	#	74
37) Benzo(g,h,i)perylene	26.51	276	1676	0.05 ng	#	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
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080515-D506-F-U-S

Quant Time: Aug 11 03:18:31 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-S

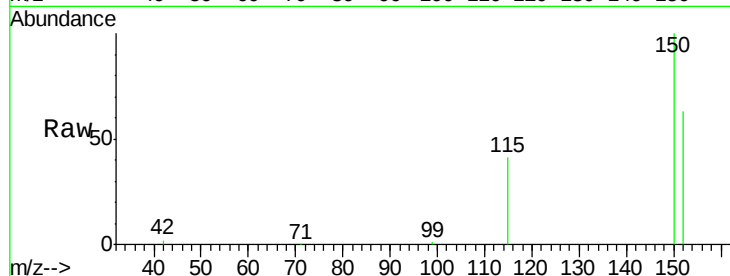
Tgt Ion: 152 Resp: 23980

Ion Ratio Lower Upper

152 100

150 157.7 123.0 184.4

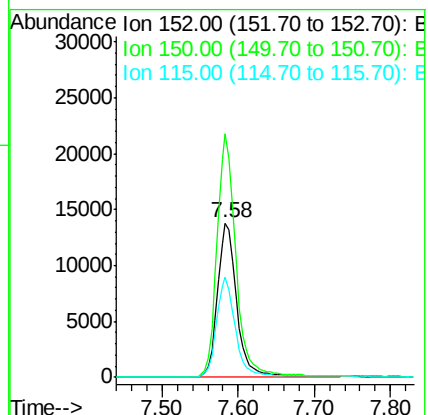
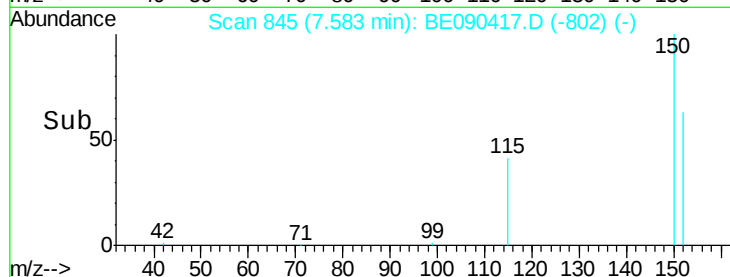
115 64.6 48.9 73.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.29 min Scan# 102

Delta R.T. 0.10 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

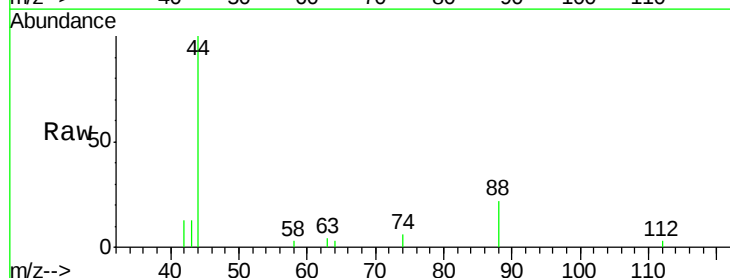
Tgt Ion: 88 Resp: 14

Ion Ratio Lower Upper

88 100

58 64.3 70.0 105.0#

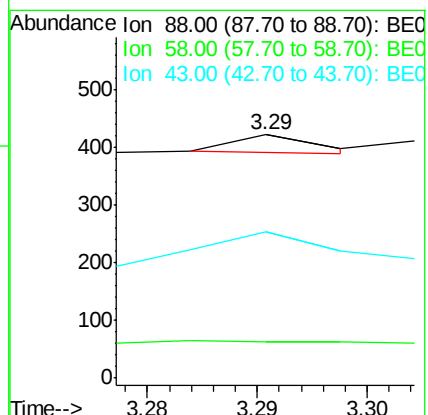
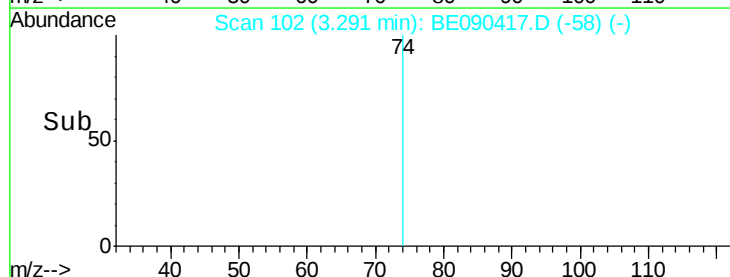
43 671.4 28.4 42.6#

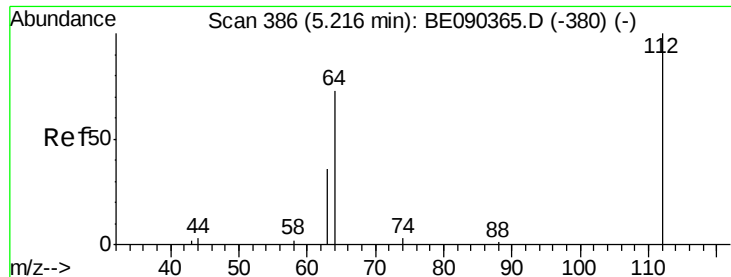


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 3.95 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-S

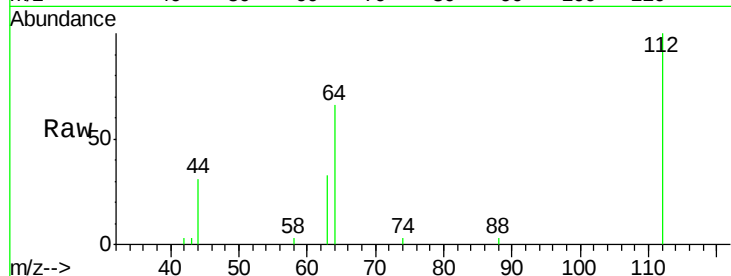
Tgt Ion: 112 Resp: 14206

Ion Ratio Lower Upper

112 100

64 70.8 37.1 55.7#

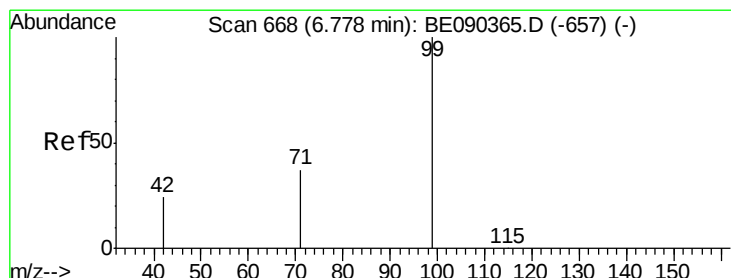
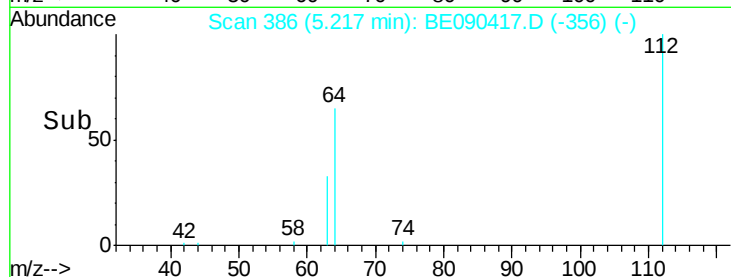
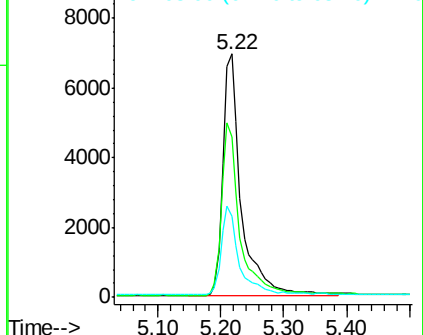
63 36.0 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.85 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

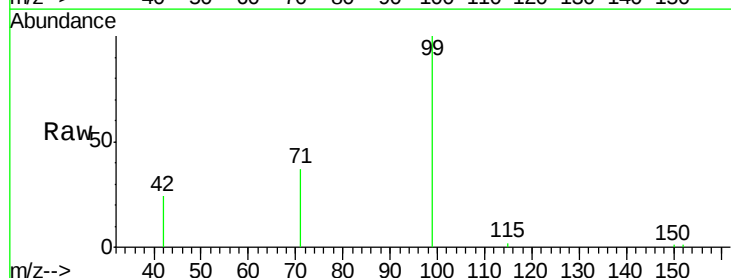
Tgt Ion: 99 Resp: 12866

Ion Ratio Lower Upper

99 100

42 21.9 18.2 27.4

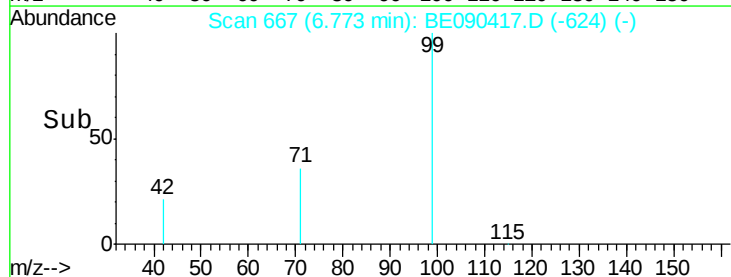
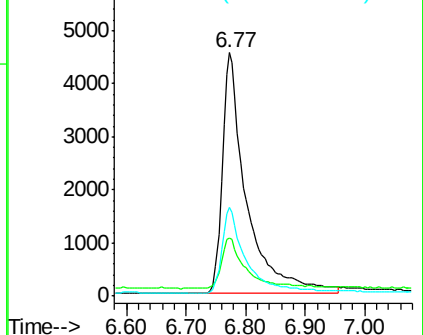
71 35.3 27.4 41.0

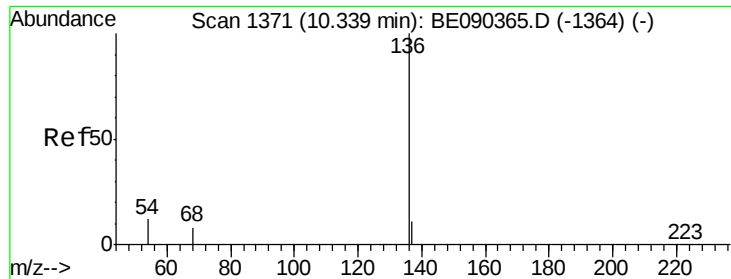


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

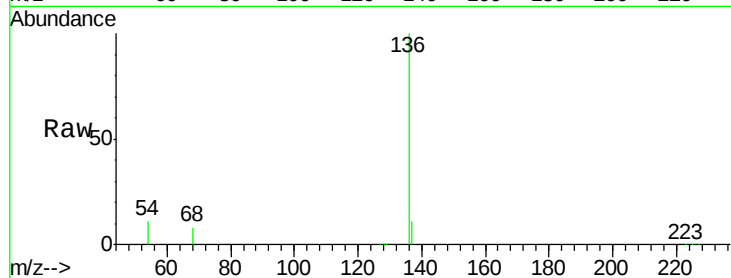




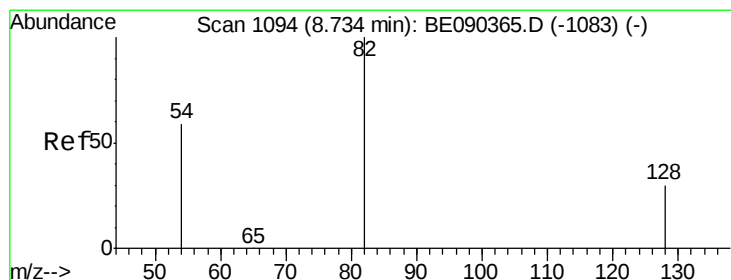
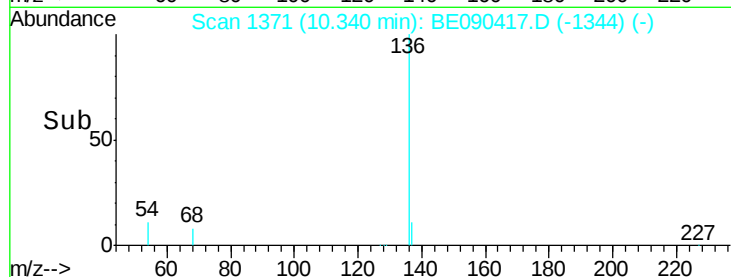
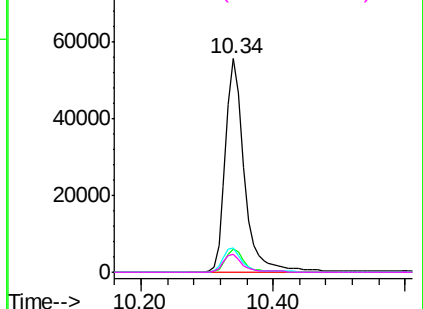
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090417.D
Acq: 11 Aug 2015 1:03

Instrument :
BNA_E
ClientSampleId :
080515-D506-F-U-S

Tgt Ion:	136	Resp:	110803
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.5	9.4	14.0
68	8.4	6.5	9.7

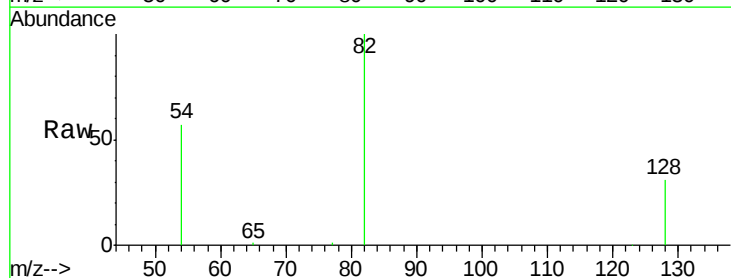


Abundance Ion 136.00 (135.70 to 136.70): BE090417.D (-1364) (-)
Ion 137.00 (136.70 to 137.70): BE090417.D (-1364) (-)
Ion 54.00 (53.70 to 54.70): BE090417.D (-1364) (-)
Ion 68.00 (67.70 to 68.70): BE090417.D (-1364) (-)

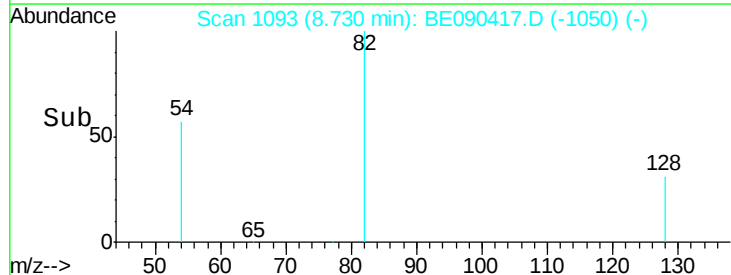
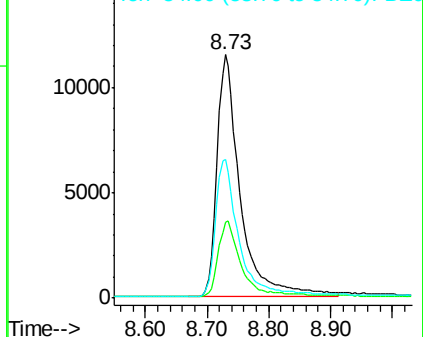


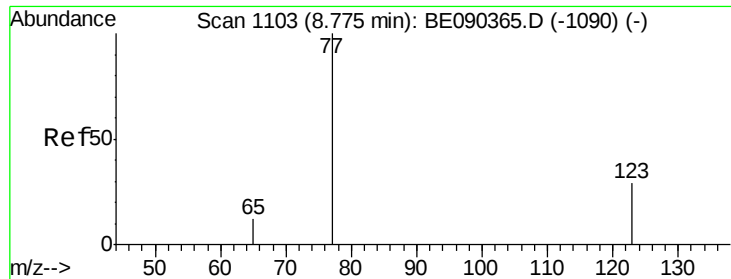
#7
Nitrobenzene-d5
Concen: 3.42 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090417.D
Acq: 11 Aug 2015 1:03

Tgt Ion:	82	Resp:	30245
Ion	Ratio	Lower	Upper
82	100		
128	31.1	25.0	37.6
54	56.9	48.8	73.2



Abundance Ion 82.00 (81.70 to 82.70): BE090417.D (-1050) (-)
Ion 128.00 (127.70 to 128.70): BE090417.D (-1050) (-)
Ion 54.00 (53.70 to 54.70): BE090417.D (-1050) (-)





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.81 min Scan# 1110

Delta R.T. 0.03 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

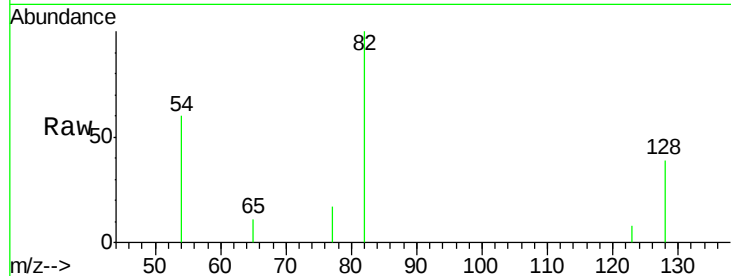
Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-S

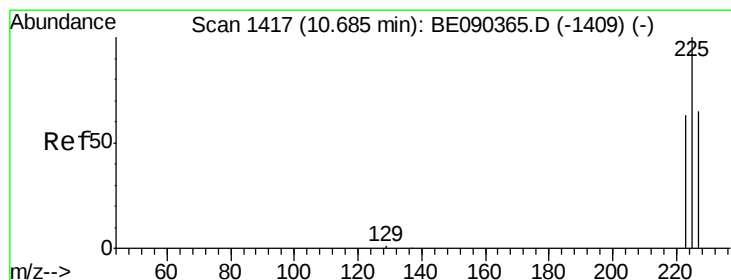
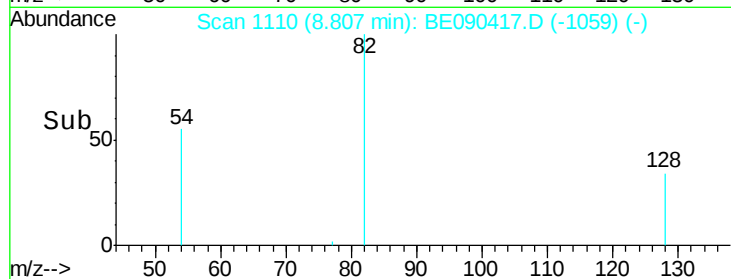
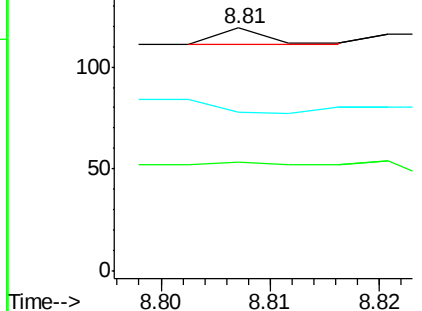
Tgt Ion:	77	Resp:	3
Ion	Ratio	Lower	Upper
77	100		
123	0.0	25.1	37.7#
65	233.3	9.3	13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#10

Hexachlorobutadiene

Concen: Below Cal

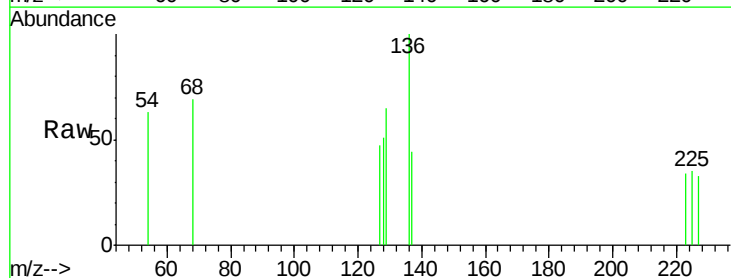
RT: 10.66 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

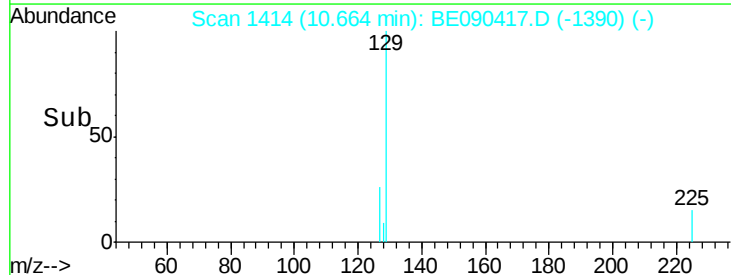
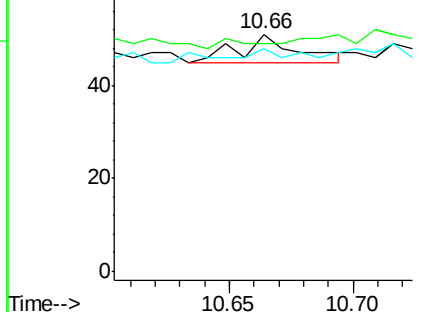
Tgt Ion:	225	Resp:	9
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	75.8#
227	11.1	50.7	76.1#

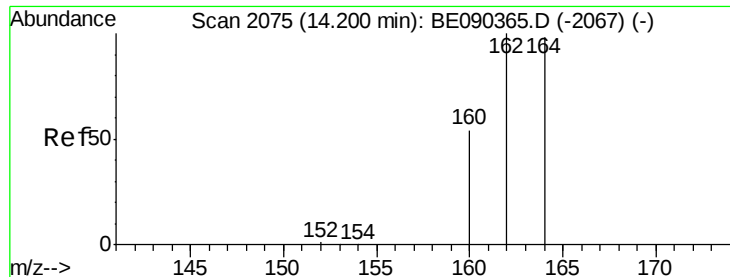


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-S

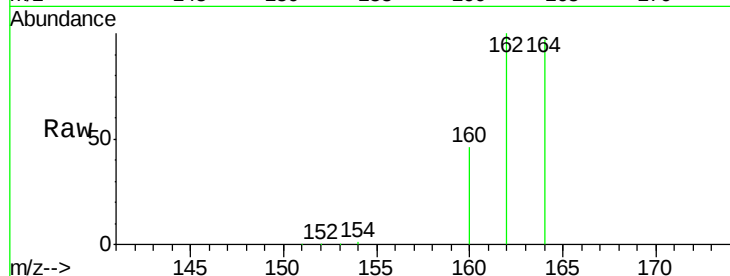
Tgt Ion:164 Resp: 65818

Ion Ratio Lower Upper

164 100

162 102.6 81.8 122.8

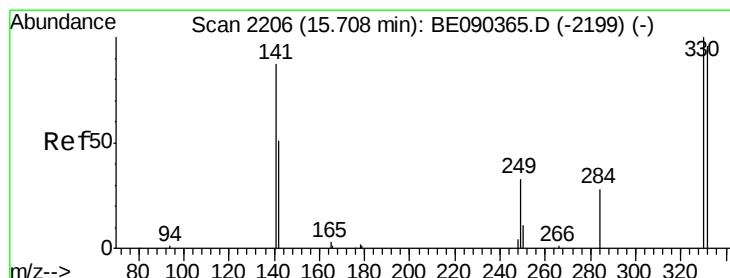
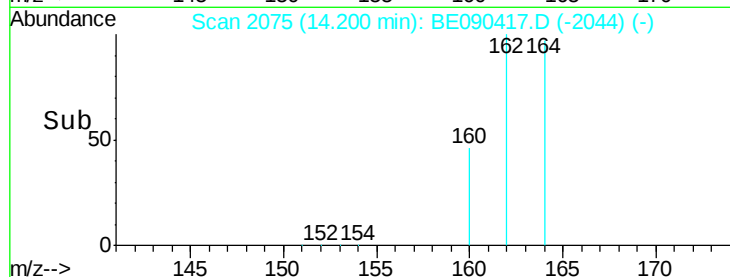
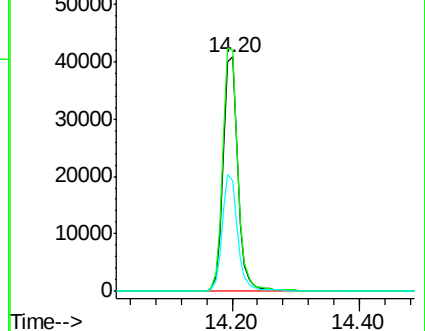
160 47.3 44.2 66.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 8.10 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

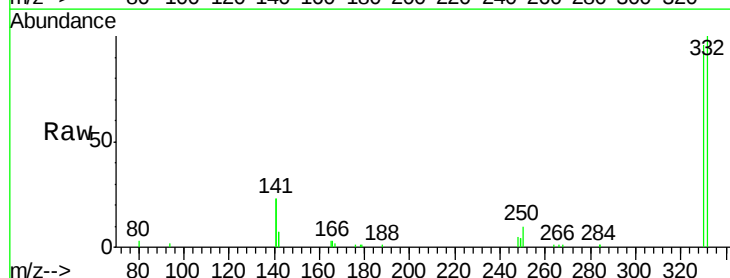
Tgt Ion:330 Resp: 16408

Ion Ratio Lower Upper

330 100

332 97.6 75.8 113.6

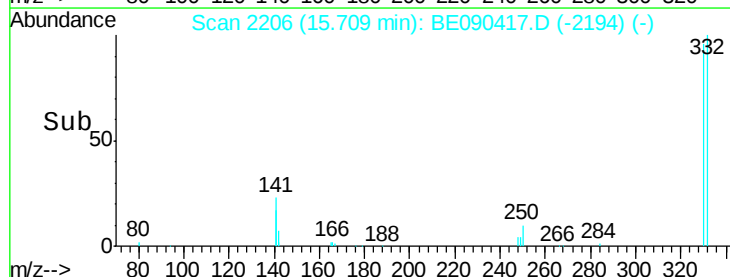
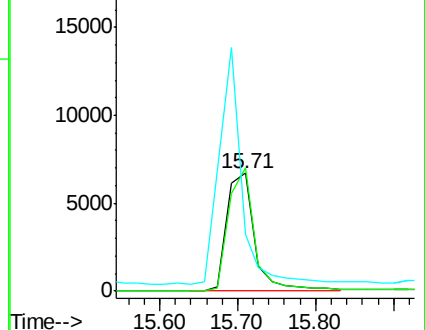
141 161.6 114.4 171.6



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

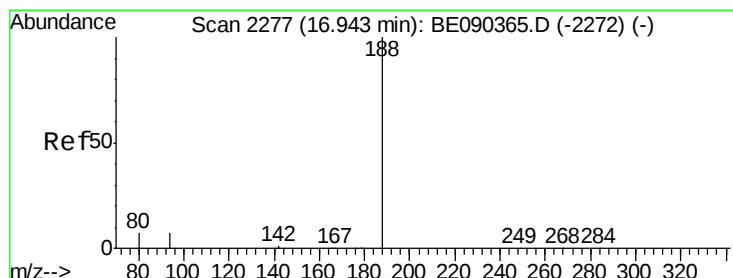
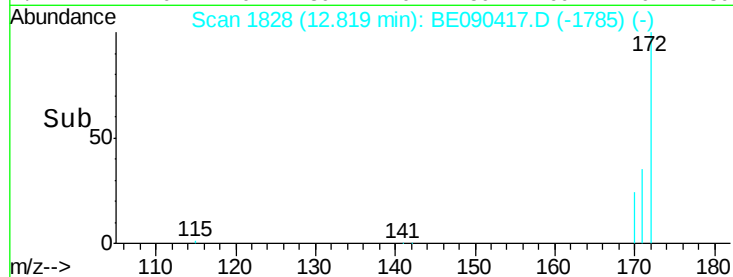
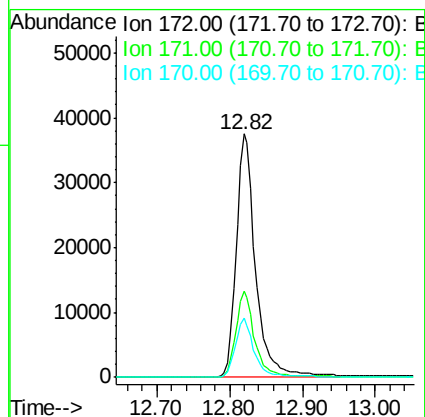
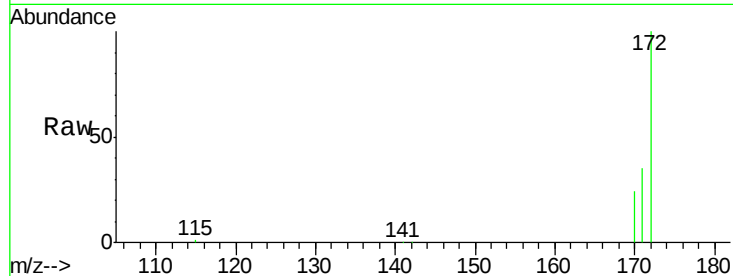




#14
2-Fluorobiphenyl
Concen: 3.83 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090417.D
Acq: 11 Aug 2015 1:03

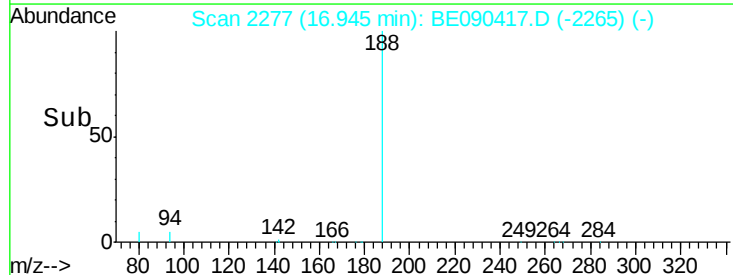
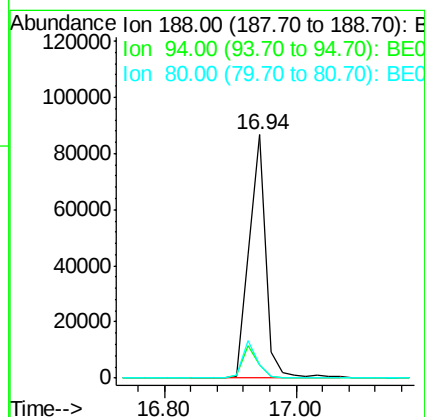
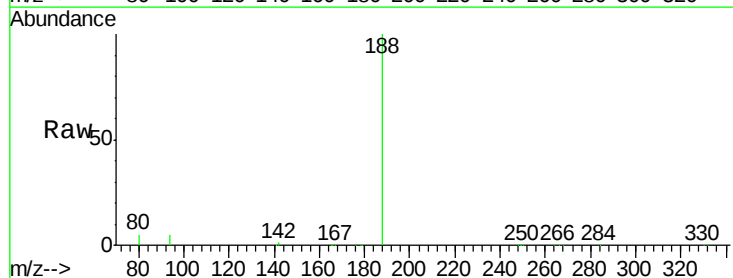
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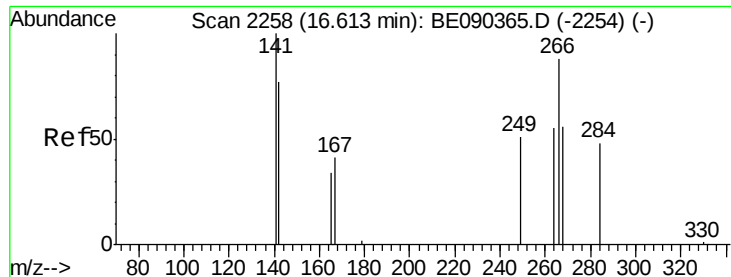
Tgt Ion:172 Resp: 69385
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 24.4 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090417.D
Acq: 11 Aug 2015 1:03

Tgt Ion:188 Resp: 152819
Ion Ratio Lower Upper
188 100
94 5.4 5.7 8.5#
80 5.4 5.8 8.8#

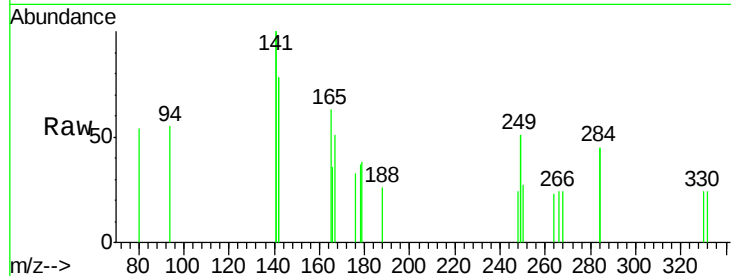




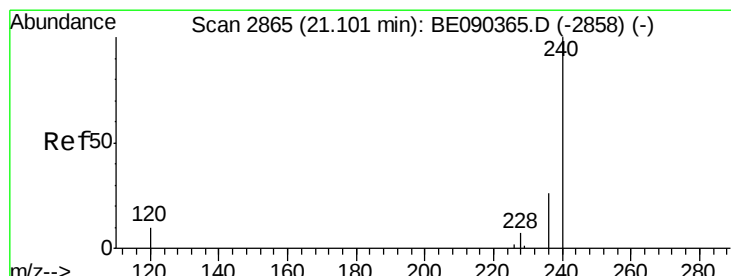
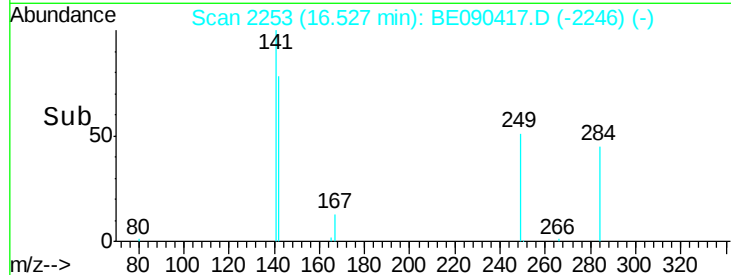
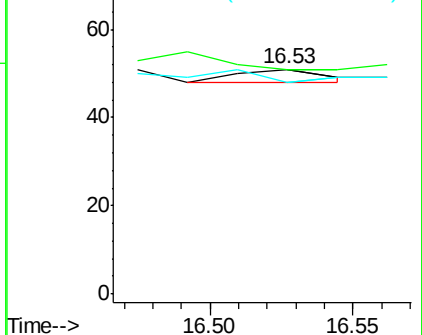
#21
 Pentachlorophenol
 Concen: 0.09 ng
 RT: 16.53 min Scan# 2253
 Delta R.T. -0.08 min
 Lab File: BE090417.D
 Acq: 11 Aug 2015 1:03

Instrument :
 BNA_E
 ClientSampleId :
 080515-D506-F-U-S

Tgt Ion: 266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 268 100.0 58.5 87.7#
 264 94.1 56.0 84.0#

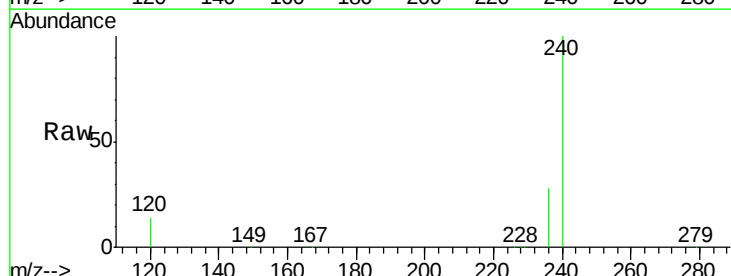


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

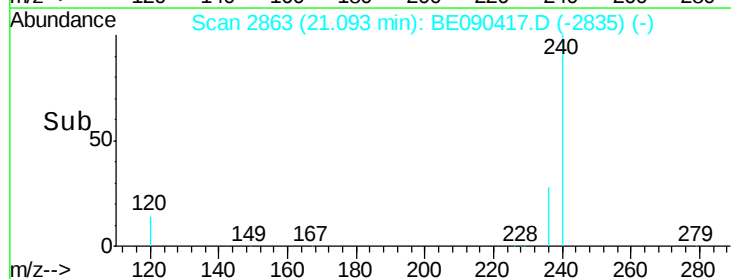
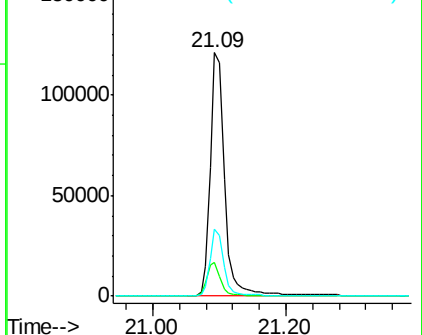


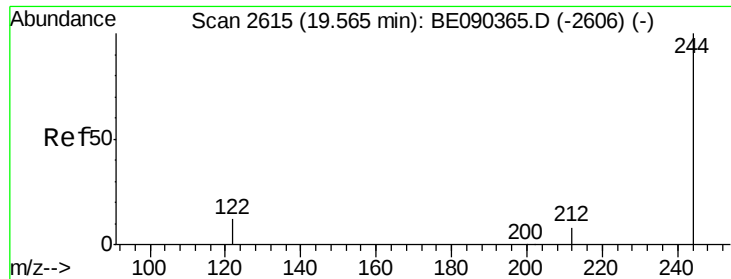
#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.09 min Scan# 2863
 Delta R.T. -0.01 min
 Lab File: BE090417.D
 Acq: 11 Aug 2015 1:03

Tgt Ion: 240 Resp: 178905
 Ion Ratio Lower Upper
 240 100
 120 13.7 8.3 12.5#
 236 27.6 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

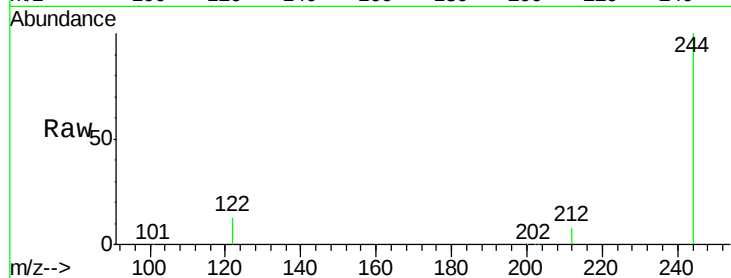




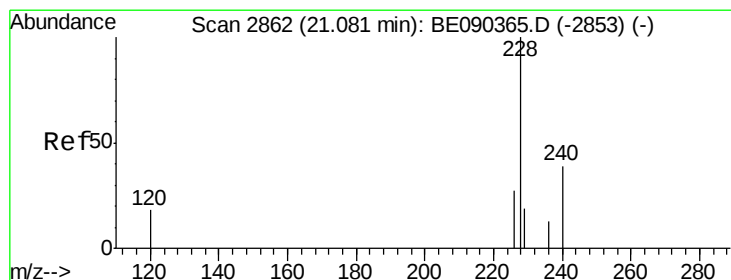
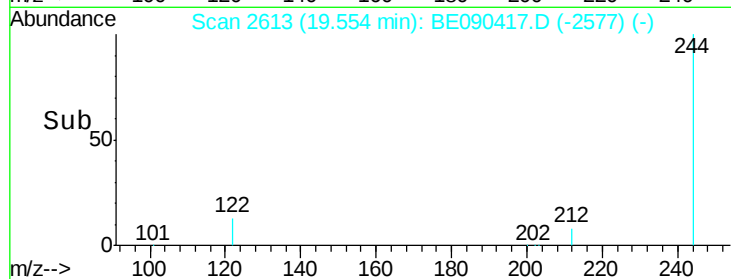
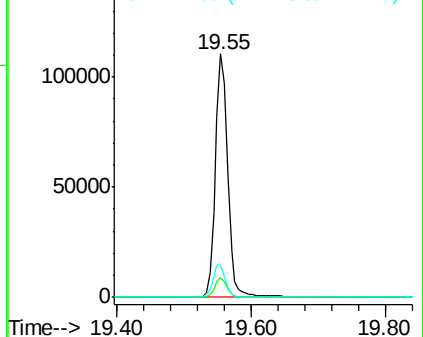
#27
 Terphenyl-d14
 Concen: 5.34 ng
 RT: 19.55 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BE090417.D
 Acq: 11 Aug 2015 1:03

Instrument :
 BNA_E
 ClientSampleId :
 080515-D506-F-U-S

Tgt Ion: 244 Resp: 140658
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 13.2 10.2 15.4

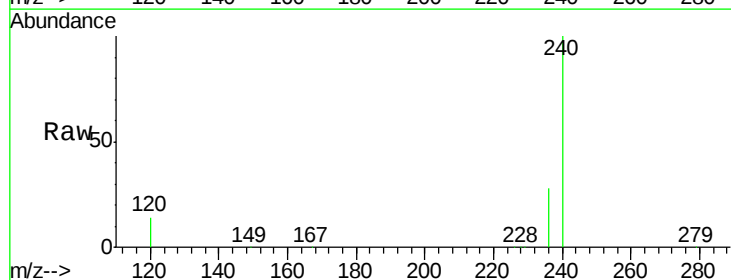


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

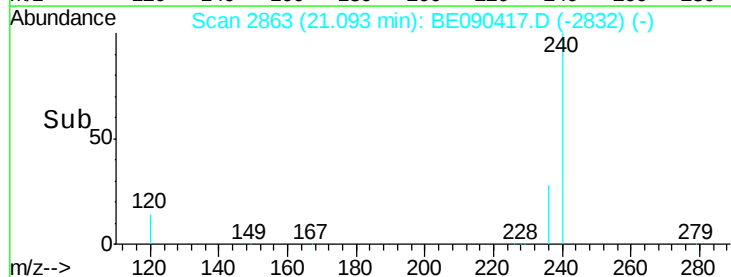
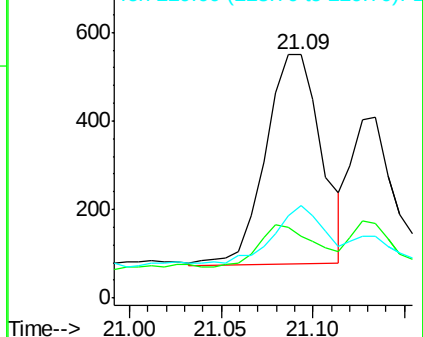


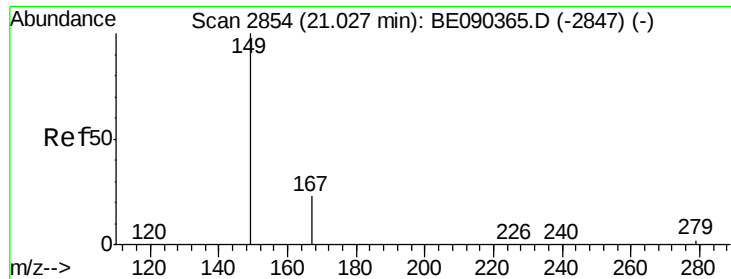
#28
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 21.09 min Scan# 2863
 Delta R.T. 0.01 min
 Lab File: BE090417.D
 Acq: 11 Aug 2015 1:03

Tgt Ion: 228 Resp: 1002
 Ion Ratio Lower Upper
 228 100
 226 25.1 21.9 32.9
 229 38.0 15.4 23.0#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.50 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-S

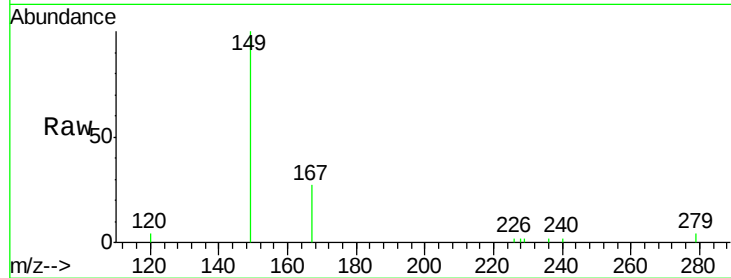
Tgt Ion:149 Resp: 3739

Ion Ratio Lower Upper

149 100

167 24.9 19.8 29.8

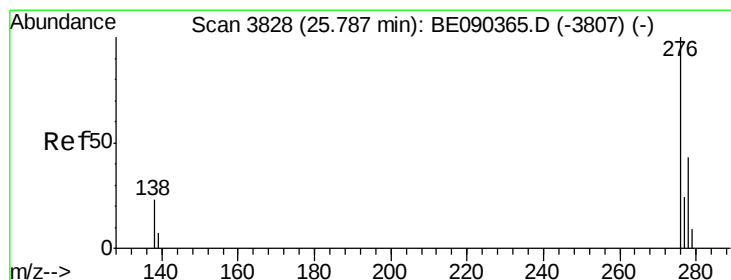
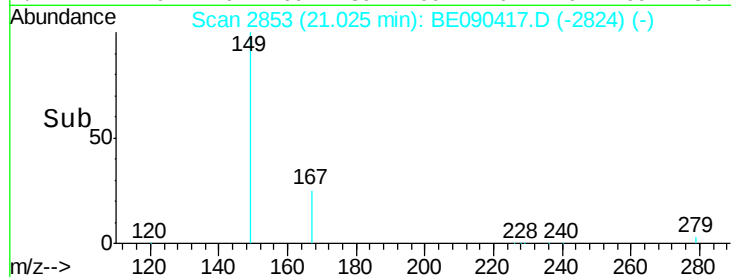
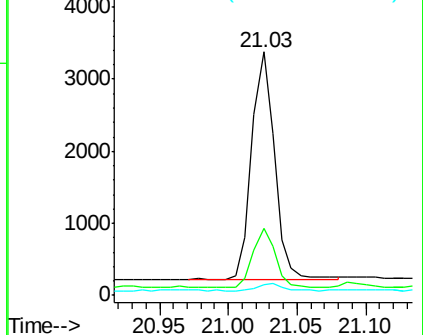
279 3.5 2.4 3.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.30 ng

RT: 25.78 min Scan# 3827

Delta R.T. -0.00 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

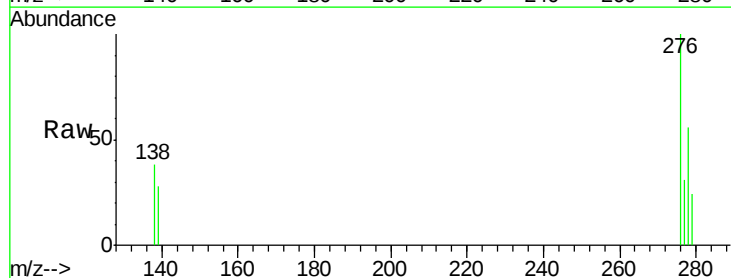
Tgt Ion:276 Resp: 2319

Ion Ratio Lower Upper

276 100

138 25.0 18.8 28.2

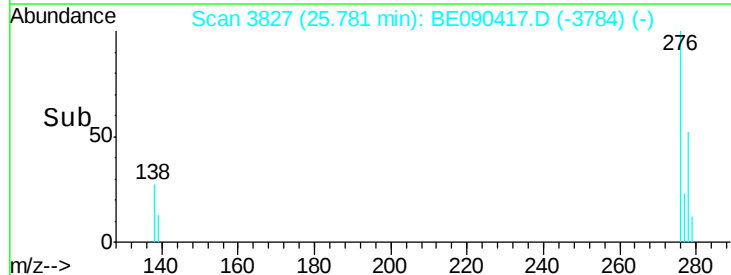
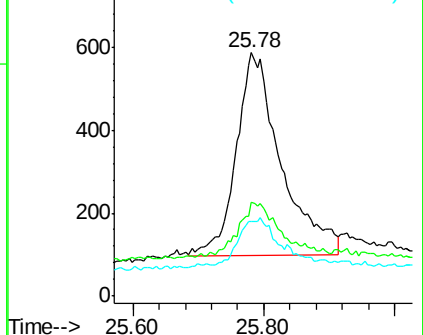
277 21.7 18.2 27.4

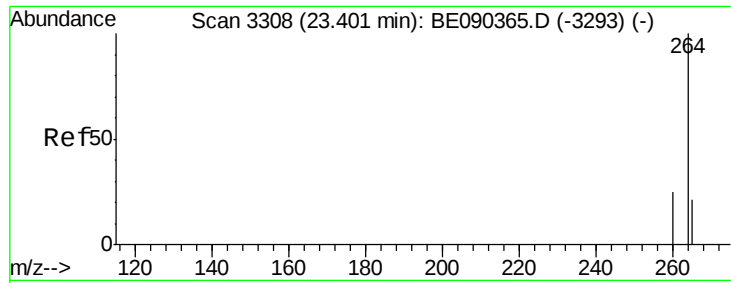


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

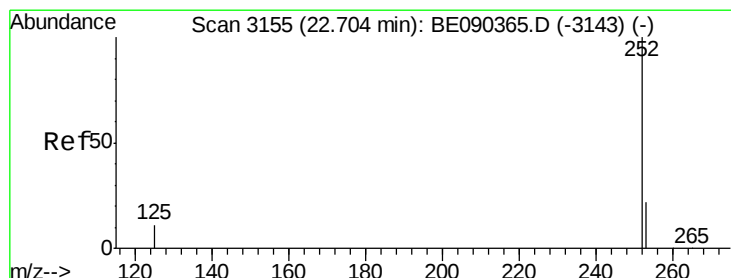
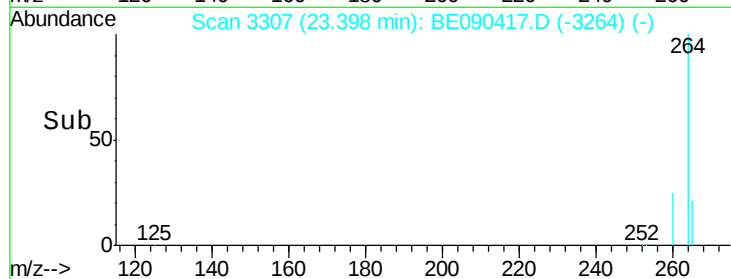
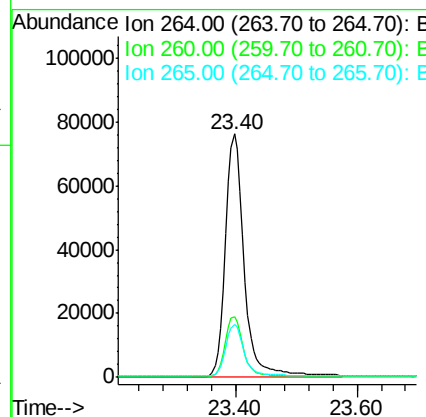




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: BE090417.D
 Acq: 11 Aug 2015 1:03

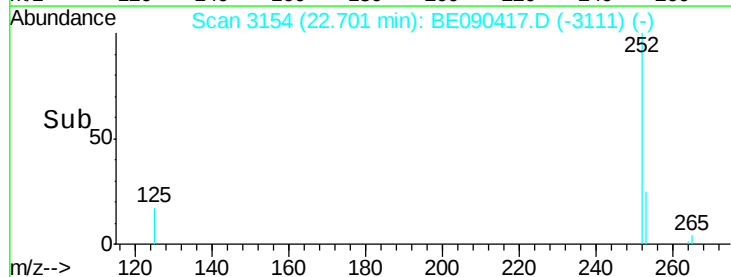
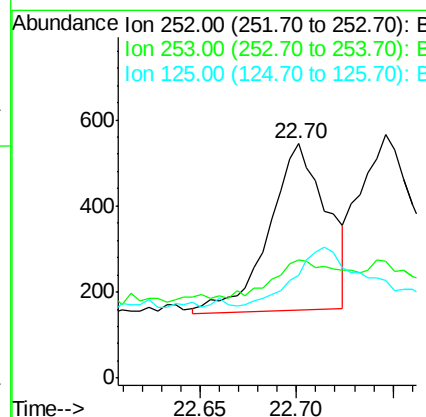
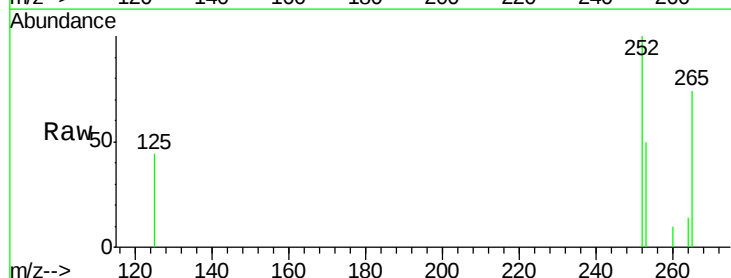
Instrument :
 BNA_E
 ClientSampleId :
 080515-D506-F-U-S

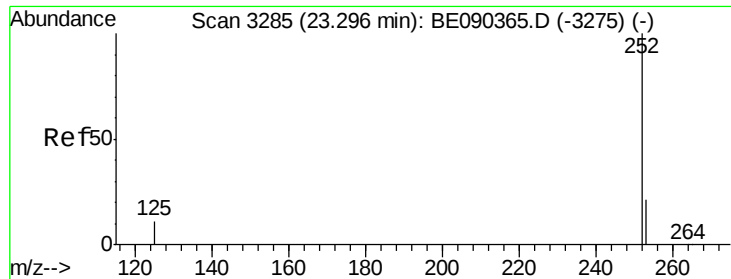
Tgt Ion: 264 Resp: 165815
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.1 30.1
 265 21.9 17.2 25.8



#33
 Benzo(b)fluoranthene
 Concen: 0.21 ng
 RT: 22.70 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE090417.D
 Acq: 11 Aug 2015 1:03

Tgt Ion: 252 Resp: 809
 Ion Ratio Lower Upper
 252 100
 253 50.4 18.1 27.1#
 125 44.1 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.25 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-S

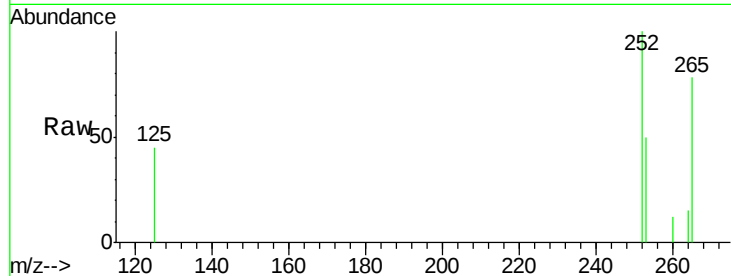
Tgt Ion:252 Resp: 971

Ion Ratio Lower Upper

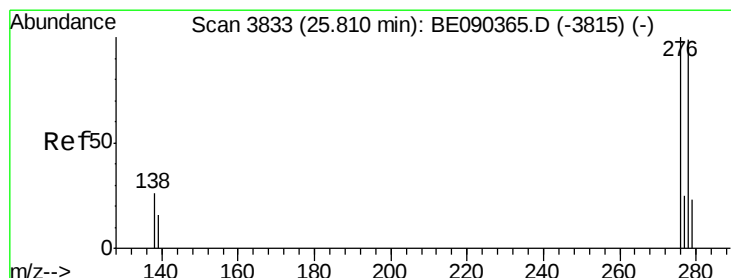
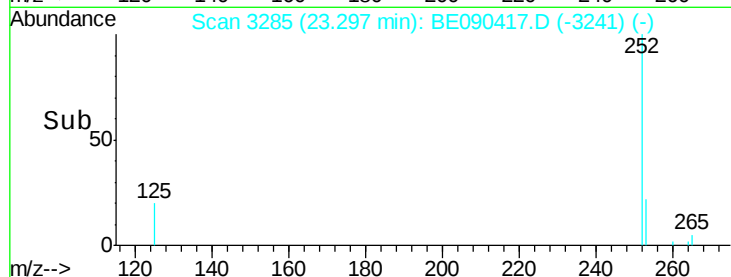
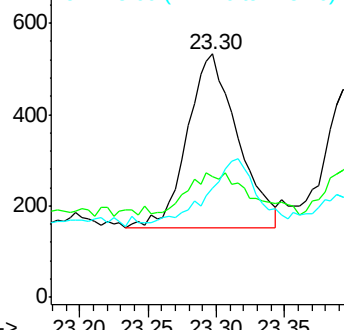
252 100

253 49.5 17.6 26.4#

125 45.0 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.33 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BE090417.D

Acq: 11 Aug 2015 1:03

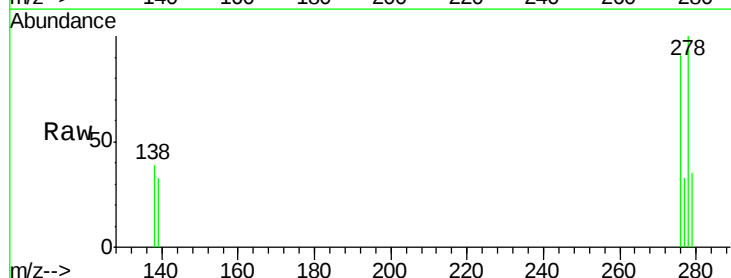
Tgt Ion:278 Resp: 1800

Ion Ratio Lower Upper

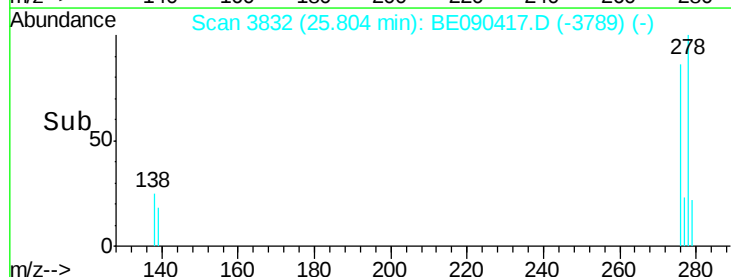
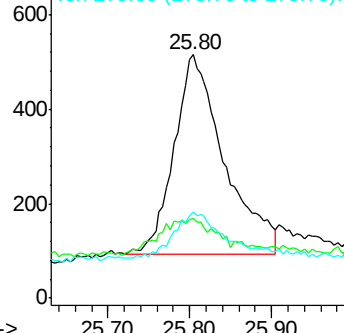
278 100

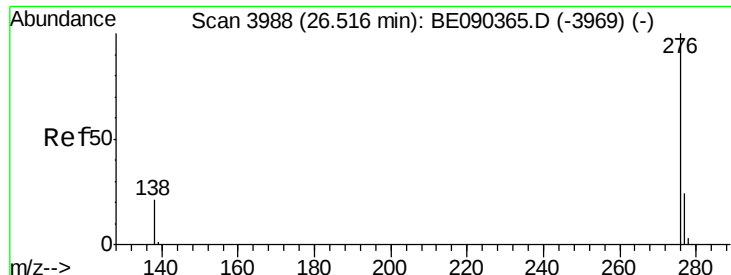
139 32.8 14.2 21.4#

279 35.3 20.1 30.1#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 26.51 min Scan# 3986

Delta R.T. -0.01 min

Lab File: BE090417.D

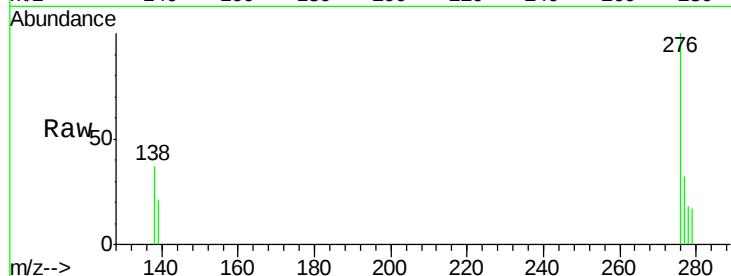
Acq: 11 Aug 2015 1:03

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-U-S



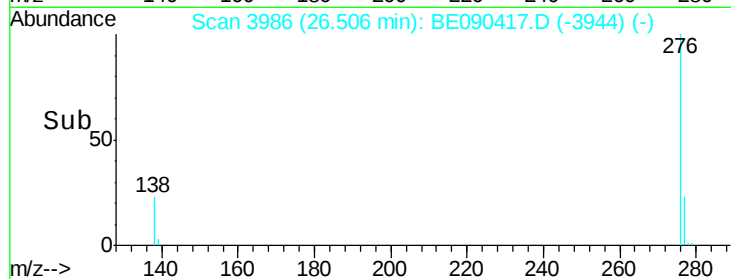
Tgt Ion: 276 Resp: 1676

Ion Ratio Lower Upper

276 100

277 32.0 20.1 30.1#

138 36.6 18.1 27.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

